

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER: 200308860-1

IN RE APPLICATION OF: U.S. Patent No. 7,083,089

USPTO CONFIRMATION CODE: 2867

APPLICATION NO.: 10/761,752

FILED: Jan. 20, 2004

EXAMINER: Seung H Lee

GROUP ART UNIT: 2876

FOR: OFF-LINE PIN VERIFICATION USING IDENTITY-BASED SIGNATURES

37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF CORRECTION

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

Sir:

The following is a request for a certificate of correction in Serial Number 10/761,752, now Patent Number 7,083,089.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

☒ All errors were the fault of the USPTO, no fee required. In the event that a further fee is required, please charge the amount to Deposit Account No. 082025.

☐ All errors were the fault of the applicant and, accordingly, please charge **\$100.00** to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

☐ The errors were the fault of both the applicant and USPTO and, accordingly, please charge **\$100.00** to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The exact locations where the errors appear in the patent and patent application are as follows:

In column 10, line 41, in Claim 5, delete “off line” and insert - - off-line - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 3 of 20, in Claim 6, line 2)

In column 11, line 3, in Claim 6, delete “ $A = \text{PIN}' \cdot u \pmod N$,” and insert - - $A = \text{PIN}'^{-1} \cdot u \pmod N$, - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 4 of 20, in Claim 8, line 5)

In column 11, line 12, in Claim 6, after “ $t = \text{PIN}'^e \pmod N$ ” insert - - ; - -.

(Amendment to claims filed on Dec. 15, 2005, page 4 of 20, in Claim 8, line 11)

In column 11, line 29, in Claim 7, delete “t” and insert - - t', - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 4 of 20, in Claim 9, line 5)

In column 11, line 36, in Claim 7, delete “ $Z' = h(t' \text{PIN}', I)$ ” and insert - - $Z' = h(t', \text{PIN}', I)$ - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 4 of 20, in Claim 9, line 9)

In column 11, line 40, in Claim 7, delete “ $S' = u' \cdot (\text{PIN}'^{Z'} \pmod N)$ ” and insert - - $S' = u' \cdot (\text{PIN}')^{Z'} \pmod N$ - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 4 of 20, in Claim 9, line 11)

In column 12, line 29, in Claim 11, delete “ $t = (r_t \cdot r_c \cdot \text{PIN}')^e \pmod N$ ” and insert - - $t = (r_t \cdot r_c \cdot \text{PIN}')^e \pmod N$ - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 6 of 20, in Claim 13, line 11)

In column 12, line 34, in Claim 11, delete “ $S = u' \cdot (r_t \cdot r_c \cdot \text{PIN}')^Z \pmod N$ ” and insert - - $S = u' \cdot (r_t \cdot r_c \cdot \text{PIN}')^Z \pmod N$ - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 6 of 20, in Claim 13, line 14)

In column 14, line 4, in Claim 20, after “ $u = I^d \pmod N$ ” insert - - , - -.

(Amendment to claims filed on Dec. 15, 2005, page 9 of 20, in Claim 22, line 7)

In column 14, line 21, in Claim 20, delete “ $t = \text{PIN}'^e \pmod N$ ” and insert - - $t = \text{PIN}'^e \pmod N$ - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 9 of 20, in Claim 22, line 18)

In column 14, line 49, in Claim 21, delete “ $t = (\text{PIN}')^e \pmod N$ ” and insert - - $t' = (\text{PIN}')^e \pmod N$ - -, therefor,

(Amendment to claims filed on Dec. 15, 2005, page 10 of 20, in Claim 23, line 9)

In column 15, line 30, in Claim 23, after “Z” insert - - , - -.

(Amendment to claims filed on Dec. 15, 2005, page 11 of 20, in Claim 25, line 9)

In column 17, line 34, in Claim 30, after “PIN” insert - - , - -.

(Amendment to claims filed on Dec. 15, 2005, page 15 of 20, in Claim 32, line 7)

In column 17, line 47, in Claim 31, delete "S'using" and insert - - S' using - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 15 of 20, in Claim 33, line 10)

In column 17, line 55, in Claim 31, after " $S'=u' \cdot (PIN')^Z \pmod{N}$ " insert - - , - -.

(Amendment to claims filed on Dec. 15, 2005, page 15 of 20, in Claim 33, line 14)

In column 18, line 14, in Claim 32, delete " $t=(r_t \cdot r_c \cdot PIN')^e \pmod{N}$ " and insert - - $t=(r_t \cdot r_c \cdot PIN')^e \pmod{N}$ - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 16 of 20, in Claim 34, line 12)

In column 18, line 19, in Claim 32, delete " $S=u' \cdot (r_t \cdot r_c \cdot PIN')^Z \pmod{N}$," and insert - - $S=u' \cdot (r_t \cdot r_c \cdot PIN')^Z \pmod{N}$, - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 16 of 20, in Claim 34, line 15)

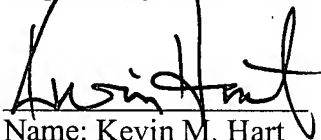
In column 18, line 61, in Claim 35, delete "off line" and insert - - off-line - -, therefor.

(Amendment to claims filed on Dec. 15, 2005, page 17 of 20, in Claim 37, line 3)

The requested corrections are attached on Form PTO 1050.

5/10/09
DATE

Respectfully Submitted



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UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 1 of 3

PATENT NO. : 7,083,089

APPLICATION NO. : 10/761,752

ISSUE DATE : Aug. 01, 2006

INVENTOR(S) : W. Dale Hopkins

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 10, line 41, in Claim 5, delete "off line" and insert - - off-line - -, therefor.

In column 11, line 3, in Claim 6, delete " $A = \text{PIN}' \cdot u(\text{mod } N)$," and insert - - $A = \text{PIN}'^{-1} \cdot u(\text{mod } N)$, - -, therefor.

In column 11, line 12, in Claim 6, after " $t = \text{PIN}'^c(\text{mod } N)$ " insert - - ; - -.

In column 11, line 29, in Claim 7, delete "t" and insert - - t', - -, therefor.

In column 11, line 36, in Claim 7, delete " $Z' = h(t' \text{PIN}', I)$ " and insert - - $Z' = h(t', \text{PIN}', I)$ - -, therefor.

In column 11, line 40, in Claim 7, delete " $S' = u' \cdot (\text{PIN}'^{Z'}(\text{mod } N))$ " and insert - - $S' = u' \cdot (\text{PIN}')^{Z'}(\text{mod } N)$ - -, therefor.

In column 12, line 29, in Claim 11, delete " $t = (r_t \cdot r_c \cdot \text{PIN}')^c(\text{mod } N)$ " and insert - - $t = (r_t \cdot r_c \cdot \text{PIN}')^c(\text{mod } N)$ - -, therefor.

In column 12, line 34, in Claim 11, delete " $S = u' \cdot (r_t \cdot r_c \cdot \text{PIN}')^Z(\text{mod } N)$ " and insert - - $S = u' \cdot (r_t \cdot r_c \cdot \text{PIN}')^Z(\text{mod } N)$ - -, therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

HEWLETT-PACKARD COMPANY
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This collection of information is required by 37 CFR 1.322, and 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE
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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 14, line 4, in Claim 20, after " $u = I^d(\text{mod } N)$ " insert - - , - -.

In column 14, line 21, in Claim 20, delete " $t = \text{PIN}^c(\text{mod } N)$ " and insert - - $t = \text{PIN}^e(\text{mod } N)$ - -, therefor.

In column 14, line 49, in Claim 21, delete " $t = (\text{PIN}')^c(\text{mod } N)$ " and insert - - $t' = (\text{PIN}')^e(\text{mod } N)$ - -, therefor,

In column 15, line 30, in Claim 23, after "Z" insert - - , - -.

In column 17, line 34, in Claim 30, after "PIN" insert - - , - -.

In column 17, line 47, in Claim 31, delete "S'using" and insert - - S' using - -, therefor.

In column 17, line 55, in Claim 31, after " $S' = u' \cdot (\text{PIN}')^Z(\text{mod } N)$ " insert - - , - -.

In column 18, line 14, in Claim 32, delete " $t = (r_t \cdot r_c \text{PIN})^e(\text{mod } N)$ " and insert - - $t = (r_t \cdot r_c \cdot \text{PIN}')^e(\text{mod } N)$ - -, therefor.

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In column 18, line 19, in Claim 32, delete " $S=u' \cdot (r_t \cdot r_c \text{PIN})^Z \pmod{N}$," and insert - - $S=u' \cdot (r_t \cdot r_c \text{PIN})^Z \pmod{N}$, - -, therefor.

In column 18, line 61, in Claim 35, delete "off line" and insert - - off-line - -, therefor.

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